

MAR 16 2004

PTO/SB/08a (08-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet

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of

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## **Complete if Known**

Application Number	10/646,439
Filing Date	08/21/2003
First Named Inventor	William J. Barz
Art Unit	3612
Examiner Name	Unknown
Attorney Docket Number	1001-116

## **U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
K38		US- 4,463,870	08/07/1984	Coburn, Jr. et al.	
		US- 4,610,836	09/09/1986	Wycech	
		US- 4,751,249	06/14/1988	Wycech	
		US- 4,769,391	09/06/1988	Wycech	
		US- 4,813,690	03/21/1989	Coburn, Jr.	
		US- 4,836,516	06/06/1989	Wycech	
		US- 4,853,270	08/01/1989	Wycech	
		US- 4,861,097	08/29/1989	Wycech	
		US- 4,923,902	05/08/1990	Wycech	
		US- 4,978,562	12/18/1990	Wycech	
		US- 5,124,186	06/23/1992	Wycech	
		US- 5,358,397	10/25/1994	Ligon et al.	
		US- 5,506,025	04/09/1996	Otto et al.	
		US- 5,755,486	05/26/1998	Wycech	
		US- 5,888,600	03/30/1999	Wycech	
		US- 5,985,435	11/16/1999	Czaplicki et al.	
		US- 5,992,923	11/30/1999	Wycech	
		US- 6,003,274	12/21/1999	Wycech	

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number-Kind Code <sup>4</sup> (if known)				
K30		EP	0 679 501 A1	11/02/1995	Ymos Aktiengesellschaft		
		JP	02001191949 A	07/17/2001	Neonex Lab		X
		EP	1 084 816 A2	03/21/2001	BASF Aktiengesellschaft		
		WO	99/50057	10/07/1999	Henkel Corporation		
		WO	00/37302	06/29/2000	Adam Opel AG		X

Examiner Signature	K38 Patu	Date Considered	10-21-04
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## **Complete if Known**

Application Number	10/646,439
Filing Date	08/21/2003
First Named Inventor	William J. Barz
Art Unit	3612
Examiner Name	Unknown
Attorney Docket Number	1001-116

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KBZ		US- 6,006,484	12/28/1999	Geissbuhler	
		US- 6,033,300	03/07/2000	Schneider	
		US- 2002/0053179	05/09/2002	Wycech	
		US- 6,068,424	05/30/2000	Wycech	
		US- 6,079,180	06/27/2000	Wycech	
		US- 6,092,864	07/25/2000	Wycech et al.	
		US- 6,096,403	08/01/2000	Wycech et al.	
		US- 6,099,948	08/2000	Paver, Jr.	
		US- 6,103,341	08/15/2000	Barz et al.	
		US- 6,131,897	10/17/2000	Barz et al.	
		US- 6,149,227	11/21/2000	Wycech	
		US- 6,150,428	11/21/2000	Hanley, IV et al.	
		US- 6,165,588	12/26/2000	Wycech	
		US- 6,168,226	01/02/2001	Wycech	
		US- 6,189,953	2/20/2001	Wycech	
		US- 6,196,621	3/6/2001	VanAssche	
		US- 6,199,940	03/13/2001	Hopton et al.	
		US- 6,233,826	5/22/2001	Wycech	

## **FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
KBZ		EP 0 611 778 B1	09/17/1997	Sika Corporation		
		EP 0 891 918 A1	01/20/1999	Henkel Corporation		
		EP 0 893 331 A1	01/27/1999	Henkel Corporation		
		EP 0 893 332 A1	01/27/1999	Henkel Corporation		
		WO 00/13958	03/16/2000	Henkel Corporation		

Examiner Signature	KBZ/atu	Date Considered	10-21-04
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Application Number	10/646,439
Filing Date	08/21/2003
First Named Inventor	William J. Barz
Art Unit	3612
Examiner Name	Unknown
Attorney Docket Number	1001-116

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		Number-Kind Code <sup>2</sup> (if known)			
KBL		US- 6,237,304	5/29/2001	Wycech	
		US- 6,253,524	7/3/2001	Hopton et al.	
		US- 6,263,635	7/24/2001	Czaplicki	
		US- 6,270,600	08/07/2001	Wycech	
		US- 6,272,809	8/14/2001	Wycech	
		US- 6,276,105	8/21/2001	Wycech	
		US- 6,281,260	8/28/2001	Hanley, IV et al.	
		US- 6,287,666	9/11/2001	Wycech	
		US- 6,296,298	10/02/2001	Barz	
		US- 6,305,136	10/23/2001	Hopton et al.	
		US- 6,311,452	11/06/2001	Barz et al.	
		US- 6,315,938	11/13/2001	Jandali	
		US- 6,319,964	11/20/2001	Blank et al.	
		US- 6,321,793	11/27/2001	Czaplicki et al.	
		US- 6,332,731	12/25/2001	Wycech	
		US- 6,341,467	1/29/2002	Wycech	
		US- 6,368,438	4/9/2002	Chang et al.	
		US- 6,358,584	3/19/2002	Czaplicki	

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Y <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
KBL		EP 0 893 332 B1	03/20/2002	Henkel Corporation		
		EP 1 122 156 A2	08/08/2001	Sika Corporation		
		EP 1 362 683 A2	11/19/2003	L&L Products, Inc.		
		EP 1 362 769 A1	11/19/2003	L&L Products, Inc.		
		JP 10-53156	02/24/1998	Neox Lab		X

Examiner Signature	KBlater	Date Considered	10-21-04
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PTO/SB/08a (08-03)

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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet

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## **Complete if Known**

Application Number	10/646,439
Filing Date	08/21/2003
First Named Inventor	William J. Barz
Art Unit	3612
Examiner Name	Unknown
Attorney Docket Number	1001-116

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		Number-Kind Code <sup>2</sup> (if known)			
KBP		US- 6,383,610	5/7/2002	Barz et al.	
		US- D457,120	5/14/2002	Broccardo et al.	
		US- 2002/0074827	6/20/2002	Fitzgerald et al.	
		US- 6,422,575	7/23/2002	Czaplicki et al.	
		US- 6,419,305	7/16/2002	Larsen	
		US- 6,372,334	4/16/2002	Wycech	
		US- 6,382,635	5/7/2002	Fitzgerald	
		US- 6,389,775	5/21/2002	Steiner et al.	
		US- 6,413,611	7/2/2002	Roberts et al.	
		US- 6,406,078	6/18/2002	Wycech	
		US- 6,455,146	9/24/02	Fitzgerald	
		US- H2047H	09/03/2002	Harrison et al.	
		US- 6,482,496	11/19/2002	Wycech	
		US- 6,474,722	11/2002	Barz	
		US- 6,482,486	11/19/2002	Czaplicki et al.	
		US- 6,467,834	10/22/02	Barz et al.	
		US- 6,471,285	10/29/2002	Czaplicki et al.	
		US- 6,474,723	11/05/2002	Czaplicki et al.	

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
KBP		FR 2 749 263	12/05/1997	Renault Societe Anonyme		X
		GB 2 083 162 A	03/17/1982	Energy Absorption Systems		
		GB 2 375 328 A	11/13/2002	L&L Products		
		DE 198 12 288 C1	05/27/1999	Moller Plast		X
		WO 99/48746	09/30/1999	Moller Plast GMBH		X

Examiner  
Signature

KBP

Date

Considered

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## **Complete if Known**

Application Number	10/646,439
Filing Date	08/21/2003
First Named Inventor	William J. Barz
Art Unit	3612
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Attorney Docket Number	1001-116

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KBP		US- 6,546,693	4/15/03	Wycech	
		US- 6,502,821	1/7/2003	Schneider	
		US- 6,523,884	2/25/03	Czaplicki et al.	
		US- 6,561,571	5/13/2003	Brennecke	
		US- 6,523,857	2/25/2003	Hopton et al.	
		US- 6,575,526	6/10/2003	Czaplicki et al.	
		US- 6,475,577	11/5/2002	Hopton et al.	
		US- 6,519,854	2/18/2003	Blank	
		US- 6,607,238	8/19/2003	Barz	
		US- 6,573,309	6/3/2003	Reitenbach et al.	
		US- 6,634,698	10/21/2003	Kleino	
		US- 6,619,727	9/16/2003	Barz et al.	
		US- 6,641,208	11/4/2003	Czaplicki et al.	
		US- 5,851,626	12/22/1998	McCorry et al.	
		US- 3,868,796	03/04/1975	Bush	
		US- 5,806,915	09/1998	Takabatake	
		US- 5,819,408	10/13/1998	Catlin	
		US- 6,059,342	05/09/2000	Kawai et al.	

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KBP		DE 198 56 255 C1	01/20/2000	Moller Plast		X
		DE 198 58 903 A1	06/21/2000	Adam Opel AG		
		WO 95/32110	11/30/1995	Wycech		
		WO 97/02967	1/30/1997	L&L Products, Inc.		
		WO 97/43501	11/20/1997	Henkel Corporation		

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		US- 4,867,271	04/06/1999	Patrick	
		US- 4,598,008	07/01/1986	Vogt et al.	
		US- 4,922,596	05/08/1990	Wycech	
		US- 5,884,960	03/23/1999	Wycech	
		US- 5,932,680	08/03/1999	Heider	
		US- 5,575,526	11/19/1996	Wycech	
		US- 5,766,719	06/16/1998	Rimkus	
		US- 6,247,287	06/2001	Takabatake	
		US- 5,660,116	08/26/1997	Dannawi et al.	
		US- 4,769,951	09/13/1988	Kaaden	
		US- 4,822,011	04/18/1989	Goldbach et al.	
		US- 5,631,027	05/20/1997	Takabatake	
		US- 6,357,819	03/19/2002	Yoshino	
		US- 5,288,538	02/22/1994	Spears	
		US- 2001/0020794 A1	09/13/2001	Ishikawa	
		US- 2003/0001469	01/02/2003	Hankins et al.	
		US- 2001/0042353	11/22/2001	Honda et al.	

## **FOREIGN PATENT DOCUMENTS**

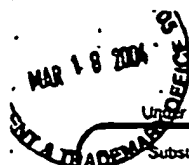
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
K3P		DE 197 03 429 A1	08/06/1998	Bayerische Motoren Werke AG		
		WO 98/50221	11/12/1998	Henkel Corporation		
		WO 99/28575	6/10/1999	Sika Corporation		
		WO 99/08854	2/25/1999	Henkel Corporation		
		WO 00/27920	05/18/2000	Sika Corporation		

Examiner Signature	K3P	Date Considered	10-20-04
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet

1

of

1

**Complete if Known**

Application Number	10/646,439
Filing Date	08/21/2003
First Named Inventor	William J. Barz
Art Unit	3612
Examiner Name	Unknown
Attorney Docket Number	1001-116

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
K80		US- 5,266,133	11/30/1993	Hanley et al.	
		US- 6,668,457	12/30/2003	Czaplicki	
		US- 3,888,502	06/10/1975	Felzer et al.	
		US- 6,585,202	07/01/2003	Broccardo et al.	
		US- 2003/0062739 A1	04/03/2003	Bock	
		US- 2003/0039792 A1	02/27/2003	Hable et al.	
		US- 2003/0042056 A1	03/06/2003	Schneider et al.	
		US- 2003/0069335 A1	04/10/2003	Czaplicki et al.	
		US- 2003/0057737 A1	03/27/2003	Bock et al.	
		US- 2003/0090129 A1	05/15/2003	Riley et al.	
		US- 2003/0140671 A1	07/31/2003	Lande et al.	
		US- 2003/014409 A1	07/31/2003	Kassa et al.	
		US- 2003/0176128 A1	09/18/2003	Czaplicki et al.	
		US- 2003/0183317 A1	10/02/2003	Czaplicki et al.	
		US- 2003/0186049 A1	10/02/2003	Czaplicki et al.	
		US- 2003/0201572 A1	10/30/2003	Coon et al.	
		US- 2003/0184121 A1	10/02/2003	Czaplicki et al.	
		US- 2003/0218019 A1	11/27/2003	Le Gall et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
K80		WO 00/40815	07/13/2000	Sika AG		
		WO 00/43254	07/27/2000	Henkel Corporation		
		WO 00/46461	08/10/2000	Sika AG		
		WO 00/55444	09/21/2000	L&L Products, Inc.		
		WO 01/88033 A1	11/22/2001	Sika Corporation		

Examiner Signature	K80 Barz	Date Considered	10-21-04
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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 1 of 1

## **Complete If Known**

Application Number	10/646,439
Filing Date	08/21/2003
First Named Inventor	William J. Barz
Art Unit	3612
Examiner Name	Unknown
Attorney Docket Number	1001-116

## **U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
KB		US- 6,435,601	08/20/2002	Takahara	
		US- 4,901,500	02/20/1990	Wycech	
		US- 6,588,557	07/08/2003	Williams et al.	
		US- 6,692,347	02/17/2004	Schneider	
		US- 2002/0160130 A1	10/31/2002	Sheldon et al.	
		US- 2002/0174954 A1	11/28/2002	Busseuil et al.	
		US- 2003/0050352 A1	03/13/2003	Guenther et al.	
		US- 2004/0018341	01/29/2004	Richardson et al.	
		US- 2004/0034982	02/26/2004	Wieber et al.	
		US- 2004/0033344	02/19/2004	Czaplicki et al.	
		US- 2004/0031164	02/19/2004	Sevastian	
		US- 2003/0050352	03/13/2003	Guenther et al.	
		US- 2003/0069335	04/10/2003	Czaplicki et al.	
		US- 2003/0057737	03/27/2003	Bock et al.	
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## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Foreign Patent Document Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
KB		WO 01/54936 A1	8/2/2001	Sika Corporation		
		WO 01/71225 A1	9/27/2001	Sika Corporation		
		WO 01/83206 A1	11/8/2001	Sika Corporation		
		WO 03/042024 A1	05/22/2003	L&L Products, Inc.		
		EP 1 006 022 A2	06/07/2000	Neoe Lab		

Examiner Signature	KB Barz	Date Considered	10-20-04
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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet

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of

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## **Complete if Known**

Application Number	10/646,439
Filing Date	08/21/2003
First Named Inventor	William J. Barz
Art Unit	3612
Examiner Name	Unknown
Attorney Docket Number	1001-116

## **U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-			
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	7 <sup>8</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	K30	EP 1 006 022	B1 09/24/2003	Neoex Lab		
		EP 1 256 512	A2 11/13/2002	Adam Opel		
		EP 1 366 960	A1 12/03/2003	Hexcel Corporation		
		WO 02/055923	A2 07/18/2002	Daimlerchrysler AG		

Examiner  
Signature

K30

Date  
Considered

10-21-04

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Sheet 1 of 0

## Complete if Known

Application Number 10/646,439

Filing Date 08/21/2003

First Named Inventor William J. Barz

Group Art Unit 3612

Examiner Name Unknown

Attorney Docket Number 1001-116

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T‡
KBP		Copending Application Serial No. 09/631,211 filed August 3, 2000	
		Copending Application Serial No. 10/617,058 filed July 10, 2003	
		Copending Application Serial No. 10/621,209 filed July 16, 2003	
		Copending Application Serial No. 10/606,602 filed June 26, 2003	
		Copending Application Serial No. 10/628,973 filed July 28, 2003	
		Copending U.K. Application Serial No. 0220945.0 filed September 10, 2002	
		KLEIN, M. and Adam Opel AG, "Application of Structural Foam in the Body in White - Reinforcement Roof Rail Side of the OPEL ASTRA", VDI Berichte, pp. 227-249.	

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Date  
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10-21-04

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